

Maintenance Crossing Point consisting of Concrete Barrier Sections. The concrete crash barrier system described here is a system with a H2 impact level and W3 working width which has been tested in accordance with EN 1317-2.

Reinforced C30/37 concrete barriers (New Jersey shape), double-sided in accordance with TUV Test Ref. No. Y48.07.K07 and Y48.08.K07, System SPENGLER Type NJ-81DV measuring 6000mm x 610mm x 810mm (L x B x H) for use as a free standing and permanent system without any backing. The installation must allow for perfectly aligned sections which are flush on the foundation (road finish), all in accordance with the detailed design. A minimum of 71 lineal metres of barriers, of which 36 metres (6No barriers) must be this NJ-81DV type, must be installed to comply with the test requirements.

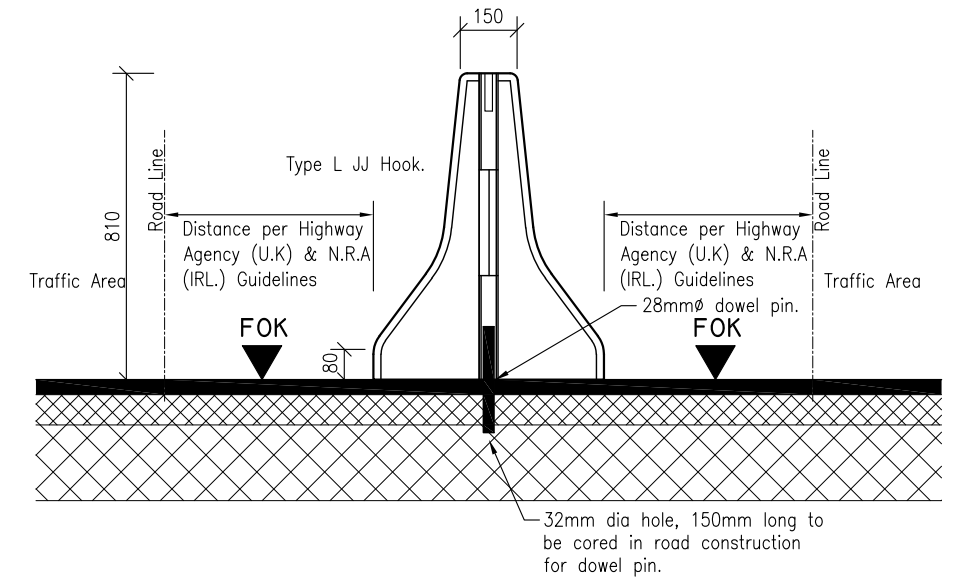
The reinforcement must be fitted in accordance with the design. The barrier connection system consists of 1No. J.J hook (type L) fitted to each end of the barrier which interlock, thus providing a 1 piece joining system for continuous linkage thru' the barrier.

In addition, a slot/rebate is formed at the base of the barrier at both ends during manufacture to accommodate a 600mm long 80x80x8mm SHS tube for increased longitudinal stiffness. The SHS extends in to each barrier by 300mm & is installed on site.

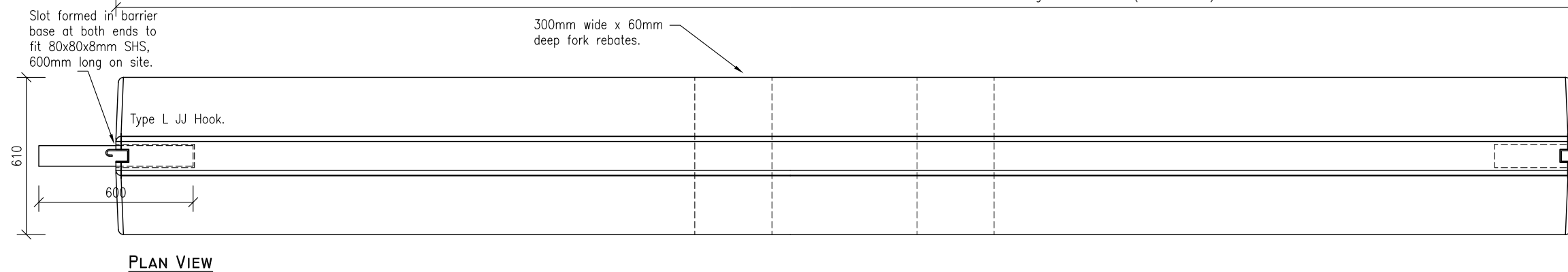
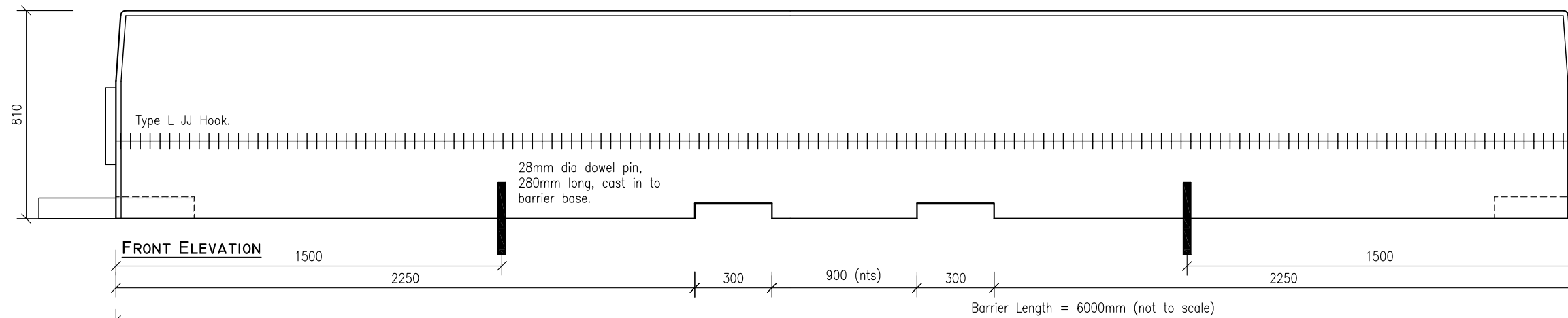
2No 32mm diameter holes must be cored in the finished road surfacing to accommodate the 2No 28mm dia dowels (280mm long thus protruding 140mm) which are cast in to the bottom of the barrier.

The barrier is placed as a free-standing construction. Installation must be carried out in accordance with the test certificate and manufacturer's instructions to ensure that the specified impact level is achieved.

Reflectors can to be fitted as required after barrier installation.



SECTION / SIDE ELEVATION



Tested successfully by TUV pursuant EN 1317-2.	
Test	
Containment Level	H2
Working Width	W3
ASI value	B
Test length	71.00m (total)
TUV Test no.	Y48.07.K07_TB51 Y48.08.K07_TB11
EC Certificate of Conformity No: 0531-CPD-1317-0490	
System dimension L x W x H 6000x610x810	

• DO NOT SCALE USE FIGURED DIMENSIONS ONLY.
• ALL DIMENSIONS TO BE CHECKED ON SITE.
• A.P.C TO BE INFORMED OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

© COPYRIGHT: Ardee Precast Concrete.
This drawing or any part thereof may not be copied or otherwise reproduced without the written permission of Ardee Precast Concrete.

Revision:	Description:	Drawn By:	Date:

Project: Technical Data Sheet.		
Title: Type NJ 81DV System Spengler Precast Concrete Road Safety Barrier. H2-W3-B. (Maintenance Crossing Point)		
Drawing No:	Revision:	Date:
APC - 137		22-03-2016

Sheet Size:	A3
Drawing Scale:	1:20
Drawn By:	N.D.
Checked By:	

APC
Ardee Precast Concrete Ltd.
Townparks, Ardee, Co. Louth.
Tel. +353(0)41 6856372
Email. info@ardeeprecastconcrete.com
www.ardeeprecastconcrete.com

Ranch House, 1 Chapel Lane,
Bingham, Nottingham, NG13 8GF
Tel. 01949 838647 Email. info@apccivils.co.uk